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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **10184143**(51) Intl. Cl.: **C07B 63/00**(22) Application date: **30.06.98**

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**(54) PRODUCTION OF POLYPHENOL**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To produce a polyphenol having a high purity, and useful as a raw material for producing a medicine or the like by allowing the polyphenol included in a raw material containing plural polyphenols to be adsorbed on a specific resin, and separating and purifying the desirable polyphenol by using a prescribed eluent.

**SOLUTION:** A polyphenol included in a raw material containing plural polyphenols and preferably derived from a plant of Rosaceae is allowed to be adsorbed on an adsorption resin consisting of a styrene-based resin, and the adsorbed polyphenols are separated by using eluents such as water, an alkali and alcohols into desirable polyphenol groups (preferably the one consisting essentially of phenolcarboxylic acids or esters thereof, the one consisting essentially of esters of the polyphenol with an organic acid, or the like), and each of the groups is purified to provide the objective compound. Preferably, the

deionized water so as to form 10-1% total polyphenol concentration, and is regulated so as to have pH 5-6 and  $22\pm 2^{\circ}\text{C}$  liquid temperature, when carrying out the adsorption.

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